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B4

1917

U. S. Department of Agriculture
List of Projects and
Symbols.



Class _____

Book _____

U. S. DEPARTMENT OF AGRICULTURE,
BUREAU OF ANIMAL INDUSTRY,

A. D. MELVIN, Chief of Bureau.

LIST OF PROJECTS AND SYMBOLS.

EFFECTIVE JULY 1, 1917.



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KEY TO PROJECT SYMBOLS.

APPROPRIATIONS.

| | No. | | No. |
|------------------------------|-----|----------------------------|-----|
| Administrative expenses -- | 1 | Diseases of animals..... | 6 |
| Inspection and quarantine_ | 2 | Contagious abortion..... | 6a |
| Eradicating cattle ticks.... | 3 | Construction buildings Be- | |
| Live - stock demonstra- | | thesda and Beltsville.... | 7 |
| tion..... | 3a | Hog-cholera control | 8 |
| Dairy industry..... | 4 | Control virus, serum, | |
| Animal husbandry..... | 5 | toxins..... | 8a |
| Military horse breeding_ | 5a | Hog-cholera research.... | 8b |
| Poultry investigations -- | 5b | Eradicating dourine..... | 9 |
| Purchase land, Middle- | | Meat inspection | 10 |
| bury..... | 5c | Eradicating foot-and- | |
| Equipment sheep farm, | | mouth, etc..... | 11 |
| Idaho | 5d | | |

DIVISIONS.

| | | | |
|-----------------------------|---|---------------------------|---|
| Office chief of bureau..... | A | Experiment station..... | J |
| Animal husbandry..... | B | Field inspection..... | K |
| Biochemic | C | Control hog cholera..... | L |
| Dairy | D | Control virus, serum, and | |
| Meat inspection..... | E | toxins..... | M |
| Pathological | F | Tick eradication | N |
| Quarantine | G | Tuberculosis eradication, | |
| Zoological | H | etc..... | P |

Projects are numbered 1, 2, 3, etc., under each appropriation, subappropriation, and division. (See illustrated symbol below.)

| | | | |
|---------------------|------|---|------------------------------------|
| Appropriation..... | 10E9 | { | Meat inspection. |
| Division..... | | | Meat inspection. |
| Project number..... | | | Post-mortem inspection of animals. |

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GENERAL ADMINISTRATION.

(Appropriation: "Administrative expenses.")

- 1A1 Chief, assistant chief, and chief clerk.
- 1A2 Stores.
- 1A3 Department overhead.
- 1A4 Editorial.
- 1A5 Accounts.
- 1A6 Appointments.
- 1A7 Property.
- 1A8 Filing.
- 1A9 Instrument maker.

ERADICATION AND CONTROL OF ANIMAL DISEASES.

(Except where otherwise specifically provided.)

(Appropriation: "Inspection and quarantine.")

- 2K1 Supervision (Scabies and dourine).
- 2P1 Supervision (Tuberculosis, etc.).
- 2K2 Stores.
- 2P2 Stores.
- 2K3 Eradication of scabies in sheep.
- 2C1 Preparation of testing outfits for sheep dips.
- 2K4 Eradication of mange (scabies) in cattle and horses.
- 2C2 Preparation of testing outfits for cattle and horse dips.
- 2P3 Supervision of interstate transportation of live stock.
- 2P4 Enforcement of the 28-hour law.

Inspection relative to the existence of contagious diseases:

- 2G1 Control of animal diseases in Porto Rico.
- 2G2 Control of glanders and scabies in District of Columbia.

Inspection and tuberculin and mallein testing of cattle and horses:

- 2P5 Inspection and testing cattle and horses for interstate movement.
- 2P6 Testing dairy herds in Maryland and Virginia in co-operation with District of Columbia.
- 2P7 Testing pure-bred breeding cattle in cooperation with private individuals.

Preparation and distribution of tuberculin, mallein, and blackleg vaccine:

- 2C3 Tuberculin.
- 2C4 Mallein.
- 2F1 Blackleg vaccine.
- 2C5 Investigation and chemical testing of dips and disinfectants.

INSPECTION AND QUARANTINE OF IMPORTED ANIMALS AND EXPORT LIVE-STOCK INSPECTION.

(Appropriation: "Inspection and quarantine.")

- 2G3 Supervision (Quarantine Division).
- 2G4 Stores.
- Inspection of animals for importation:
- 2G5 From Mexico.
- 2G6 From Canada.
- 2G7 From other than North American countries.
- 2G8 In Great Britain for export to the United States.
- 2G9 Quarantine of animals at ports of entry.
- 2G10 Supervision over importation of animal by-products, forage, etc.
- 2G11 Inspection and testing of animals for export.
- 2G12 Inspection of vessels carrying export animals.
- 2C6 Investigating methods of disinfecting hides.

ERADICATION OF CATTLE TICKS.

(Appropriation: "Eradicating cattle ticks.")

- 3N1 Eradication of cattle ticks.
- 3N2 Stores.
- 3C1 Preparation of testing outfits for cattle-tick dips.

LIVE-STOCK DEMONSTRATION WORK IN AREAS FREED FROM CATTLE TICKS.

(Appropriation: "Live-stock demonstration.")

Live-stock demonstrations in tick-free areas:

- 3aB1 Animal husbandry.
- 3aD1 Dairy.

DAIRY INVESTIGATIONS

(Appropriation: "Dairy industry.")

Administration:

- 4D1 Administration.
- 4D2 Stores.

Improvement of dairy product:

- 4D4 Improvement of dairy product.

Dairy farming:

- 4D5 Supervision.
- 4D6 Southern dairying.
- 4D7 Dairy demonstration farm.
- 4D8 Cow-testing associations and cooperation with county
 agents in dairy work.
- 4D9 Bull associations extension.
- 4D10 Community development in dairying.
- 4D11 Investigations in cow-testing associations.
- 4D12 Investigations in bull associations.
- 4D13 Holstein cattle breeding.

Dairy manufacturing:

- 4D15 Supervision.
- 4D16 Creamery extension.
- 4D17 Cheese factory extension.
- 4D18 Farm butter making.
- 4D19 Creamery management investigations.
- 4D20 Cheese factory investigations.
- 4D21 Renovated butter inspection.
- 4D22 Butter inspection for the Navy.

Dairy research laboratory:

- 4D25 Supervision.
- 4D26 Investigations of the manufacture and handling of
 commercial ice cream.

Dairy research laboratory—Continued.

- 4D27 Changes in butter.
- 4D28 Milk-condensing investigations.
- 4D29 Bacteriology of milk.
- 4D30 Physiology of milk secretion.
- 4D31 Utilization of creamery and cheese-factory by-products.
- 4D32 Disposal of dairy, creamery, and cheese-factory wastes.
- 4D33 Manufacturing and ripening of Swiss cheese.
- 4D34 Soft-cheese investigations.
- 4D35 Cheddar-cheese investigations.
- 4D36 Silage investigations.
- 4D37 Chemical investigation in the feeding of dairy cattle.

Milk investigations and demonstrations:

- 4D40 Supervision.
- 4D41 Dairy sanitation investigations.
- 4D42 Cost of handling milk.
- 4D43 Cost of milk production.
- 4D44 Dairy sanitation extension.

Dairy Division experiment farm:

- 4D50 Supervision.
- 4D51 Breeding of dairy cattle.
- 4D52 Feeding of dairy cattle.
- 4D53 Housing and care of dairy cattle.
- 4D54 Feed production.
- 4D55 Silage investigations.

Metabolism in dairy cows:

- 4D60 Metabolism in dairy cows.

Western dairy extension:

- 4D65 Supervision.
- 4D66 Dairy farming.
- 4D67 Milk work.
- 4D68 Dairy manufacturing.

ANIMAL HUSBANDRY INVESTIGATIONS.

(Appropriation: "Animal husbandry.")

Administration:

- 5B1 Administration.
- 5B2 Stores.

Animal genetics:

5B5 Genetic research.

Animal husbandry experiment farm:

5B8 Animal husbandry experiment farm.

Beef-cattle investigations:

5B15 Supervision.

5B16 Beef production.

5B17 Breeding shorthorn cattle.

5B18 Shrinkage in live stock during transportation.

Swine investigations:

5B23 Production of pork.

Sheep and goat investigations:

5B28 Supervision.

5B29 Farm-sheep investigations.

5B30 Range-sheep investigations.

5B31 Studies of wool and other animal fibers.

5B32 Milch-goat investigations.

Certification of pedigrees:

5B34 Certification of animals imported for breeding purposes.

Animal husbandry extension work:

5B35 Supervision.

5B36 Farm-sheep demonstrations.

5B37 Organization of pig clubs.

5B38 Beef-cattle extension.

Horse and mule investigations:

5B45 Supervision.

5B46 Farm horse and mule investigations.

5B47 Breeding American carriage horses.

5B48 Breeding Morgan horses.

5B49 Breeding horses on Indian reservations.

5aB1 Breeding horses for military purposes.

Poultry investigations:

5bB1 Supervision.

5bB2 Farm poultry investigations.

5bB3 Pigeon and squab investigations.

5bB4 Ostrich investigations.

5bB5 Turkey and guinea investigations.

Poultry husbandry extension work:

- 5bB10 Supervision.
- 5bB11 Improvement of the market egg.
- 5bB12 Organization of boys' and girls' poultry clubs.
(Appropriation "Purchase of land, Middlebury, Vt.")
- 5cB1 Purchase of land, Middlebury, Vt.
(Appropriation "Equipment of sheep farm, Idaho.")
- 5dB1 Equipment of sheep farm, Idaho.

INVESTIGATIONS OF ANIMAL DISEASES.

(Appropriation "Diseases of animals.")

- 6F1 Supervision (Pathology).
- 6H1 Supervision (Zoology).
- 6J1 Supervision (Experiment Station).
- 6F2 Stores (Pathology).
- 6H2 Stores (Zoology).
- 6J2 Stores (Experiment Station).
- 6F3 Rabies investigations.
Dourine and glanders investigations. (Changed to glanders investigations.)
Serum diagnosis of dourine. (Charged under "Eradication of dourine.")
- 6F4 Glanders investigations.
- 6F5 Forage poisoning or cerebrospinal meningitis of horses.
Animal tuberculosis investigations:
- 6F6 Pathological.
- 6J3 Experiment Station.
(Appropriation "Contagious abortion of animals.")
Animal-abortion investigations.
- 6aF1 Pathological.
- 6aJ1 Experiment Station.
(Appropriation "Diseases of animals.")
- 6F7 Swamp fever investigations.
- 6F8 Anthrax diagnosis and immunization.
Fowl disease investigations:
- 6F9 Investigation of avian tuberculosis, diphtheria, pox, cholera, etc.
- 6F10 Investigation of infectious enterohepatitis, blackhead in turkeys.

Miscellaneous biological investigations:

- 6F11 Pathological.
- 6J4 Experiment station.
- 6H3 Index catalogue and collection of parasites.
- 6H4 Investigation of roundworms of sheep.
- 6H5 Investigations of anthelmintics and treatment live stock for internal parasites.
- 6H6 Investigation of parasitic protozoa, with particular reference to blackhead in turkeys.
- 6H7 Investigations and control of cattle ticks and other external parasites.
- 6H8 Miscellaneous investigations of animal parasites.
- 6J7 General maintenance of Bethesda Experiment Station.
- 6J8 Breeding and feeding small experiment animals.
- 6F15 Investigations of stock poisoning by plants.

CONSTRUCTION OF BUILDINGS AT BETHESDA AND BELTSVILLE.

(Appropriation "Construction of buildings at Bethesda and Beltsville.")

- 7B1 Animals husbandry, Beltsville.
- 7D1 Dairy, Beltsville.
- 7J1 Experiment Station, Bethesda.

INVESTIGATION, TREATMENT, AND ERADICATION OF HOG CHOLERA.

(Appropriation: "Eradicating hog cholera.")

- 8L1 Supervision (hog-cholera control).
- 8bC1 Supervision (Biochemic. (Appropriation: "Hog-cholera research."))
- 8L2 Stores (hog-cholera control). (Appropriation: "Eradicating hog cholera.")
- 8bC2 Stores (Biochemic). (Appropriation: "Hog-cholera research.")

(Appropriation: "Eradicating hog cholera.")

- 8L3 Hog-cholera control, looking to eradication.
- 8L4 Educational and demonstrational hog-cholera work.

(Appropriation: "Hog-cholera research.")

- 8bC3 Investigation of methods of producing immunization against hog cholera.
- 8bC4 Investigation of the cause of hog cholera.
- 8bC5 Investigation of the mode of dissemination of hog cholera.

CONTROL OF THE MANUFACTURE, IMPORTATION, AND SHIPMENT OF VIRUSES, SERUMS, TOXINS, ETC.

(Appropriation: "Control of viruses, etc.")

- 8aM1 Supervision (control viruses, serums, and toxins).
- 8aM2 Stores.
- 8aM3 Special supervisory inspection.
- 8aM4 Inspection of establishments.
- 8aF1 Pathological Division.

ERADICATION OF DOURINE.

(Appropriation: "Eradicating dourine.")

Eradication of dourine:

- 9K1 Scabies and dourine.
- 9F1 Pathological.

CONTROL OF MEAT AND MEAT FOOD PRODUCTS.

(Appropriation: "Meat inspection.")

- 10E1 Supervision (Meat-Inspection Division).
- 10E2 Store.
 - Purchase, preparation, and distribution of branding ink and brands:
- 10E3 Branding ink.
- 10E4 Brands.
- 10E5 Special supervisory inspection.
 - Laboratory inspection:
- 10E6 Special laboratory inspection.
- 10E7 Field-laboratory inspection.
- 10E8 Ante-mortem inspection of animals for slaughter.
- 10E9 Post-mortem inspection of animals.

- 10E10 Supervision of the preparation and distribution of meats.
- 10E11 Inspection of meats for the United States Navy. (Reimbursable.)
- 10E12 Inspection of public markets.
- 10E13 Supervision of operations conducted under certificates of exemption.
- 10E14 Examination of imported meats and meat food products.
- Field overhead and miscellaneous meat inspection :
 - 10E15 Expense of transferring employees.
 - 10E16 Expenses of employees on relief duty.
 - 10E17 Station expenses.
 - 10E18 Investigation and control of house fly, etc., in inspected establishments.
- 10C1 Bacteriological investigations of meats and meat food products.
- 10C2 Investigating changes in meats during preservation.
- 10C3 Investigation of canned meats.
- 10F1 Pathological investigations of meats and meat food products.
- 10H1 Investigations of trichinosis, measles, etc., relating to meat inspection.



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